

KARTHIK RENGAN

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Address:

#81C, 1st Main, 1st cross,
Indranagar,
Near Railway station, Malur
Kolar -563130.

Career objective

To have a growth oriented and challenging career, where I can contribute my knowledge and skills to the organization and enhance my experience through continuous learning and teamwork.

Professional experience**Present Employer**

Company Name : Sentec India company Private Limited
Designation : Production, Planning & Control (PPC) Engineer
Duration : July 2019 to till date

Roles & Responsibilities:-

- Interaction with customer through sales for monthly forecast .
- Preparation of monthly,weekly & daily shiftwise production plan as per the plant capacity, customer forecast & past sales data.
- To Make Material requirement planning & Co-ordinate with Purchase department for BOP parts.
- Manpower calculation based on Production plan.
- Scheduling daily workorders in ERP w.r.t production plan by considering customer demand & inventory levels.
- Executing approved material requisition notices (NPD /Trail run Childpart requirements) in ERP.
- Cycle time study & line balancing done in regular interval of time period to maximize the productivity with least resource utilisation as per company norms.
- Daily BOP monitoring & follow-up with purchase department for critical parts for smooth running of production.
- Monitoring inventory levels & control of FG & BOP.
- To monitor ERP vs actual unit consumption of RM and other direct consumable materials.
- BOM creation /ECN updation in ERP.
- Regular communication with Customer & logistic team to fulfil customer requirements as well as for on time dispatch.

- To plan & execute physical inventory check & monthly closing in ERP.
- To prepare & report the analysed inventory report to the top management
- To prepare & analyse the monthly S&OP data

Previous employer

Company Name : Bansal Precision Forge Limited , Bangalore
 Designation : Production cum planning Incharge
 Duration : Since August 2016 to July 2019

Roles & Responsibilities :-

- To plan and execute the monthly & Daily production plan as per customer requirement.
- Responsible for overall shopfloor management , Production & control.
- To maintain documentations such as production report, OEE , SMED, downtime analysis.
- Preparing Daily, Weekly & Monthly MIS data for Plan vs actual of production & Dispatches.
- Ensuring that all the work is carried out on the shop floor as per the standards.
- Making control plan and maintains the records for the reduction of rejections.
- Manpower planning and supervision of process.
- Monitor & Review plan vs actual of daily production OEE data.
- Implementation of 5S and kaizen in the shopfloor.
- To diagnose and troubleshoot the problems in hydraulic press.
- Develop process improvements to effectively utilize equipment and materials to maximize production.

Academic Qualification

| Course | University/Board | Institute | Year of passing | Percentage/CGPA |
|-----------------------------------|------------------|---|-----------------|-----------------|
| B.E- Mechanical Engineering | Anna University | Dhanalakshmi Srinivasan engineering college perambalur | 2016 | 6.877 |
| HSC | State board | The Higher Secondary School for Boys , Srirangam | 2012 | 82.41% |
| SSLC | State board | The Higher Secondary School for Boys , Srirangam | 2010 | 87.2 % |

ACADEMIC PROJECTS:

PROJECT (B.E (MECH)):

Title : Study And Experimental Analysis Of High Efficiency Solar Panel.

Description : The main objective of this project is to increase the solar panel. Dust formation is the important factor for the decrement of efficiency. Slotted crank mechanism is used to clean the solar panel hence we can increase the efficiency of the solar panel up-to 30%.

ADDITIONAL PROJECT (B.E (MECH)):

Title : Design and Development of Seat Belt Alert System with Interlocking In Four Wheeler.

Description : We can avoid accidents by wearing a seat-belt. It reduces the risk of a fatality among front-seat passengers by 40–50%. By using this project wearing seat belt is made as mandatory. Car will start only if the passenger worn seat belt.

CO-CURRICULAR ACTIVITIES:

ACHIEVEMENTS

- Published a research paper in title **”Design And Development Of Seat Belt Alert System With Interlocking In Four Wheeler”** in International Journal of Scientific and Research Publication (IJSRP), volume 4, issue7 , July 2014 edition.
- Published a research paper in title **”The Effect Of Hybridization On Mechanical Behavior Of Natural Glass Fiber Reinforced Composites”** in SS International Journal of Multidisciplinary research (SSIJMR), volume 2, issue3 , June 2015 edition.
- Paper presented and secured **THIRD PLACE** in the title of **“Design and Development Seat Belt Alert System with Ignition Interlocking in Four Wheeler”**, Dept of mechanical engg at Annai Mathammal Sheela Engineering College, Namakkal.

INTERNATIONAL CONFERENCE:

- **”The Effect Of Hybridization On Mechanical Behavior Of Natural Glass Fiber Reinforced Composites”** –R.Karthik in International conference on developments in engineering research (ICDER 2015) , Hotel Prathap Plaza, Chennai.

PAPER PRESENTED

- Paper presented in the title of **“ Design And Development Of Seat Belt Alert System With Ignition Interlocking In Four Wheeler “** Dept of mechanical engineering in Indian Institute of Technology (IIT) Madras.
- Paper presented in the title of **“Study And Experimental Analysis Of High Efficiency Solar Panel “** Dept of mechanical engineering in Indian Institute of Technology (IIT) Guwahati.
- Paper presented in the title of **“Design And Fabrication Of Mixed Mode Natural Convection Solar Crop Dryer “** and at Dept. of Mechanical Engg at National Institute of Technology (NIT) Trichy.

PERSONALITY TRAITS:

- Self-starter, team player & Organizational skills.
- Good analytical skills.
- Having positive attitude, friendly behavior to others.
- Good in maintaining interpersonal relationships.
- Competitive nature in working environment.
- Adaptation as per the situation and surroundings.
- Patience of mind, hardworking and sincere.

Personal Profile

Father's name : G.Rengan
Date of Birth : 19.08.1994
Gender : Male
Marital status : Single
Languages Known : Tamil, English, Hindi, Kannada & Telugu
Passport number : M2099472
Passport expiry Date : 15/09/2024
Permanent Address : Karthik s/o Rengan
19/8 Thambiran Street
Thiruvanaikoil
Trichy – 620005.

DECLARATION:

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

DATE :**SIGNATURE****PLACE:****(KARTHIK R)**